

IN THE CLAIMS:

1. (Currently Amended) A mobile telephone, comprising:

a microphone;

a vital sign measuring system having a vital sign sensor fabricated within a chassis of said mobile telephone and configured to determine vital sign information of a user, wherein at least a portion of said vital sign measuring system is implemented as a series of instructions executing in a central processing unit of said mobile telephone;

a keypad, coupled to said vital sign measuring system, configured to allow a user to employ said series of instructions to control said vital sign sensor to determine said vital sign information; and

a display, wherein said vital sign sensor is configured to send said vital sign information to said display, said display, configured to receive said vital sign information from said vital sign sensor and provide said vital sign information to said user, wherein said display and said microphone are located on a first side of said mobile telephone and said vital sign sensor is located on a second side of said mobile telephone that is different from said first side.

2. (Currently Amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a body temperature sensor configured to determine said vital sign information of said user independent of a second vital sign sensor.

3. (Currently Amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a blood pressure sensor configured to determine said vital sign information of said user independent of a second vital sign sensor.

4. (Currently Amended) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a pulse detector configured to determine said vital sign information of said user independent of a second vital sign sensor.

5. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor includes an analog to digital interface coupled to said display and configured to convert said vital sign information from analog data to digital data and directly send said digital data to said display to provide said vital sign information as digital data.

6. (Currently Amended) The mobile telephone as recited in Claim 1 further comprising a loudspeaker, wherein said loudspeaker and said ~~and~~ a microphone are [[,]] coupled to said vital sign measuring system, configured to provide said vital sign information to said user and configured to allow said user to control said vital sign measuring system, respectively.

7. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said series of instructions of said vital sign measurement system are integrated with instructions of said mobile telephone executing on said central processing unit.

8. (Currently Amended) A method of employing a mobile telephone to measure a vital sign, said mobile telephone having a central processing unit including at least a portion of a vital sign measuring system, said vital sign measuring system having a vital sign sensor fixed in a chassis of said mobile telephone during manufacturing thereof and configured to obtain vital sign information from a user, said method comprising:

employing said central processing unit to control said vital sign sensor to obtain said vital sign information; and

providing said vital sign information to said user via a display of said mobile telephone while obtaining said vital sign information, by sending said vital sign information from said vital sign sensor to said display, wherein said display is located on a first side of said mobile telephone and said vital sign sensor is located on a second side of said mobile telephone that is different from said first side a display of said mobile telephone.

9. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a body temperature sensor.

10. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a blood pressure sensor.

11. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a pulse detector.

Claim 12 (Canceled)

13. (Original) The method as recited in Claim 8 further comprising providing said vital sign information to said user with a loudspeaker of said mobile telephone.

14. (Previously Presented) The method as recited in Claim 8 further comprising controlling said vital sign measuring system with a microphone of said mobile telephone.

15. (Currently Amended) A mobile telephone, comprising:

a microphone;

a vital sign measurement system including a body temperature sensor, a blood pressure sensor, a pulse detector and control circuitry coupled to said body temperature sensor, said blood pressure sensor and said pulse detector, said vital sign measurement system included within said mobile telephone during manufacturing thereof and configured to determine vital sign information of a user;

a central processor unit, shared by said mobile telephone and said vital sign measurement system, configured to control measuring performed by said body temperature sensor, said blood pressure sensor and said pulse detector via said control circuitry when said vital sign measurement system is activated; and

a display configured to receive said vital sign information from said vital sign measurement system and provide said vital sign information to said user, wherein said display and said microphone are located on a side of said mobile telephone that does not include said body temperature sensor, said blood pressure sensor and said pulse detector.

16. (Previously Presented) The mobile telephone as recited in Claim 8 wherein operating said vital sign sensor is solely dependent on said central processing system.

17. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign measurement system includes a series of instructions executing on said central processor unit that controls said body temperature sensor, said blood pressure sensor and said pulse detector via said control circuitry.

18. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said control circuitry provides said vital sign information to said user via a loudspeaker of said mobile telephone.

19. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign measurement system is activated by a keypad of said mobile telephone.

20. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign information is provided to said user via an analog signal indicated on said display.

21. (New) The mobile telephone as recited in Claim 15 further comprising a user interface configured to allow a user to select a measurement functionality employing a menu list to start a measurement using said body temperature sensor, said blood pressure sensor or said pulse detector.